



Aircraft mechanics and service technicians

Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems.

Cognitive and mental requirements

The qualifications that workers need to use judgment, make decisions, interact with others, and adapt to changes in jobs.

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Table 1. Percentage of aircraft mechanics and service technicians with cognitive and mental requirements, 2023

Requirement	Yes	No
Interaction with general public	18.7	81.3
Working around crowds	<0.5	>99.5
Telework	<0.5	>99.5
Work review: Supervising others	3.1	96.9
Work review: Presence of supervisor	82.2	17.8

Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey

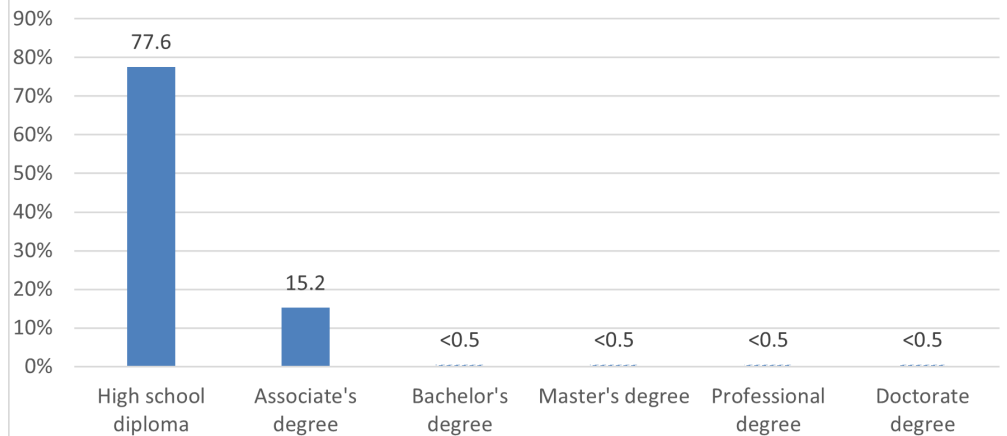
Education, training, and experience requirements

The minimum level of formal education required, credentials necessary, on-the-job training, and prior work experience necessary for average performance in jobs.

In 2023, credentials were required for 95.9 percent of aircraft mechanics and service technicians.

A high school diploma was required for 77.6 percent of aircraft mechanics and service technicians.

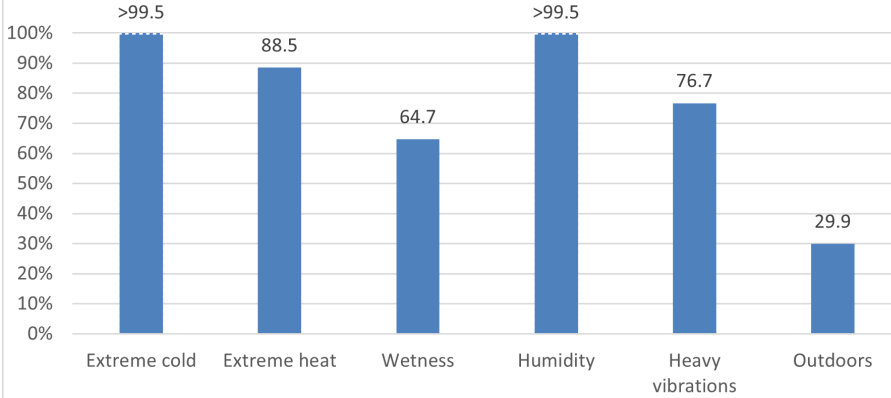
Chart 1. Percentage of aircraft mechanics and service technicians by minimum education level, 2023



Note: Striped bars represent range estimates where precise value is unpublished.

Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey

Chart 2. Percentage of aircraft mechanics and service technicians without exposure to environmental conditions, 2023



Note: Striped bars represent range estimates where precise value is unpublished.
Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey

Environmental conditions

The various tangible or concrete hazards or difficulties that are in the vicinity of where jobs' critical tasks are performed.

In 2023, greater than 99.5 percent of aircraft mechanics and service technicians were not exposed to extreme cold, and 88.5 percent were not exposed to extreme heat. Wetness was not present for 64.7 percent, 76.7 percent were not exposed to heavy vibrations, and 29.9 percent were not exposed to the outdoors.

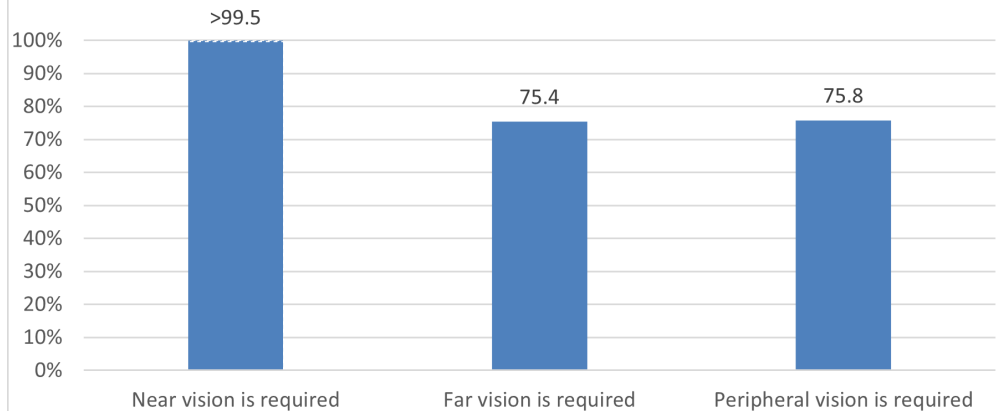
Physical demands

Refer to the physical activities required to perform tasks in jobs. The presence and, in some cases, duration of these activities are published.

In 2023, reaching at or below the shoulder was required for 99.3 percent of aircraft mechanics and service technicians and was not required for 0.7 percent.

Performing work in low postures was required for 96.2 percent of aircraft mechanics and service technicians and was not required for 3.8 percent.

Chart 3. Percentage of aircraft mechanics and service technicians with vision requirements, 2023



Note: Striped bars represent range estimates where precise value is unpublished.
Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey

The choice to sit or stand when performing critical tasks was available to 23.0 percent of aircraft mechanics and service technicians.

Table 2. Percentage of aircraft mechanics and service technicians with physical demands, 2023

Requirement	Yes	No
Choice of sitting or standing	23.0	77.0
Driving	66.0	34.0

Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey